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Educational Research
and Educational Information

Semantic MediaWiki in Humanities and Educational Research

Christoph Schindler, German Institute for International Educational Research (DIPF)



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Information

Semantic M

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13th SMWCon
Semantic Media Wiki Conference
Fall 2016
28-30 September 2016
eHumanities Workshop 09/28 BringYourOwnData!

https://www.semantic-mediawiki.org/wiki/SMWCon_Fall_2016 | Frankfurt am Main, Germany



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Outline

- **SMW in eHumanities: Creating and Exploring the Semantic Graph**
- **eHumanities Workshop at SMW Con Fall Tutorial Day**
- **Discussions and Needs**

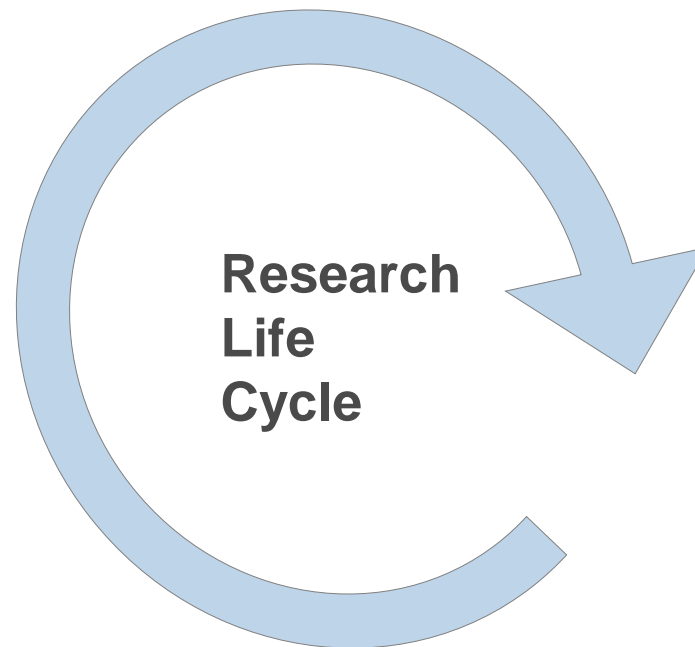


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SMW in eHumanities

Creating and Exploring the Semantic Graph



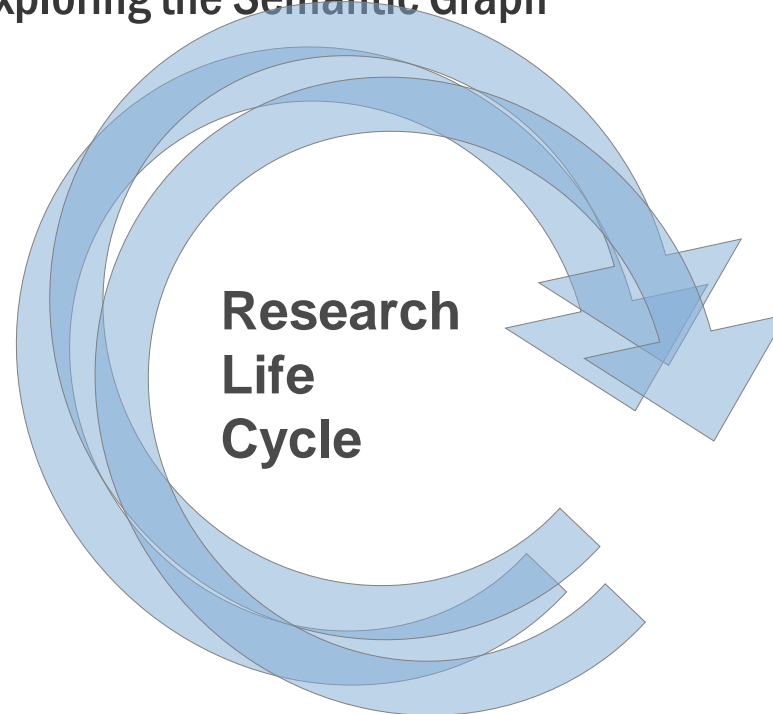


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SMW in eHumanities

Creating and Exploring the Semantic Graph



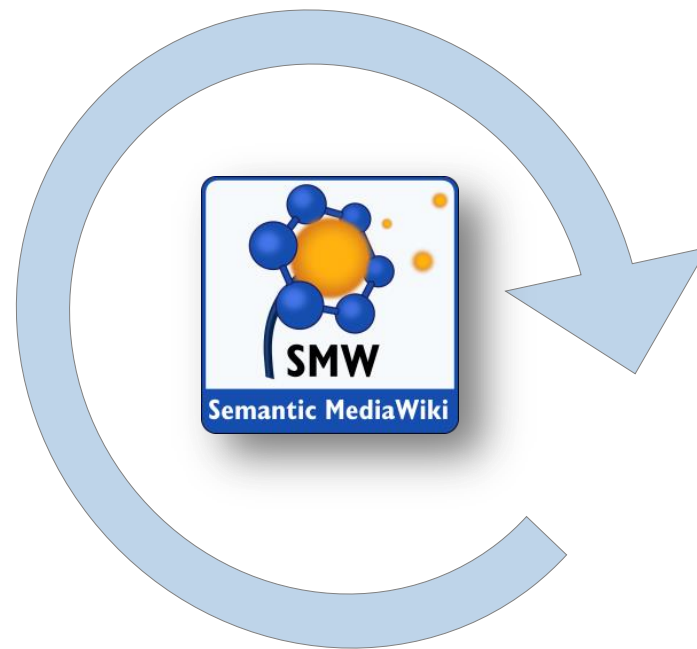


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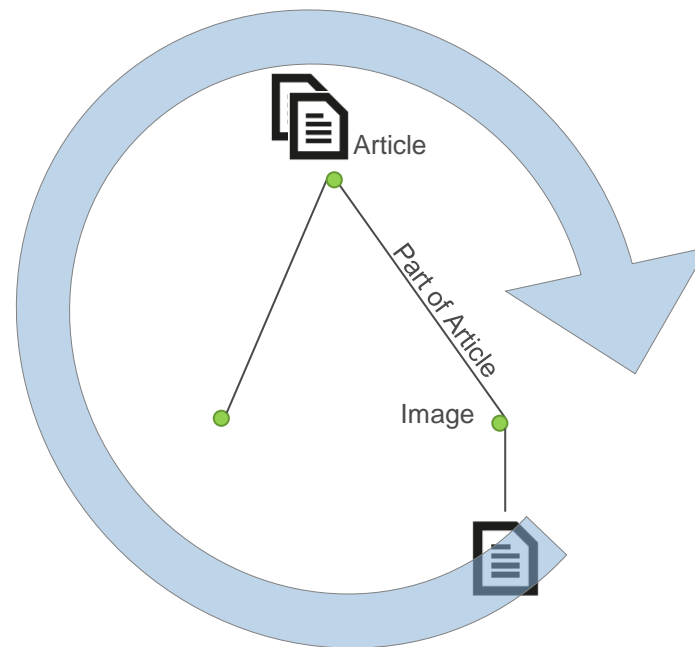


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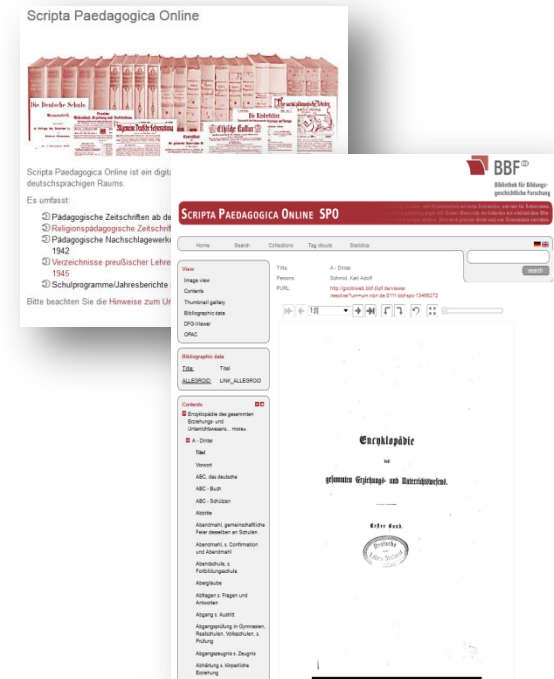
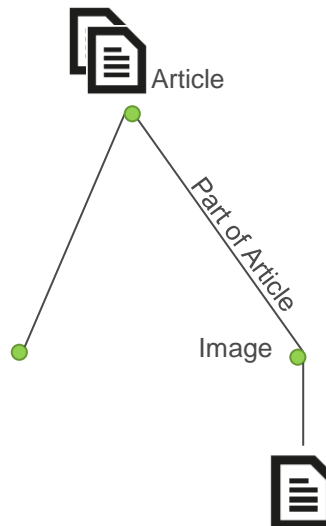
SMW in eHumanities

Creating and Exploring the Semantic Graph



SMW in eHumanities

Creating and Exploring the Semantic Graph



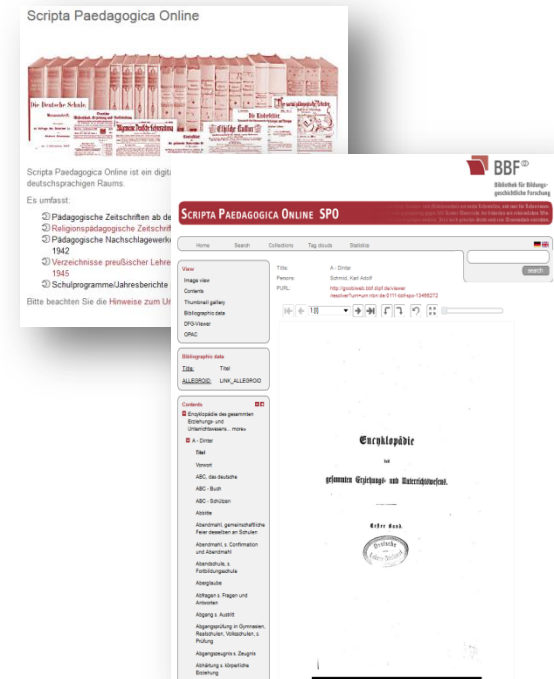
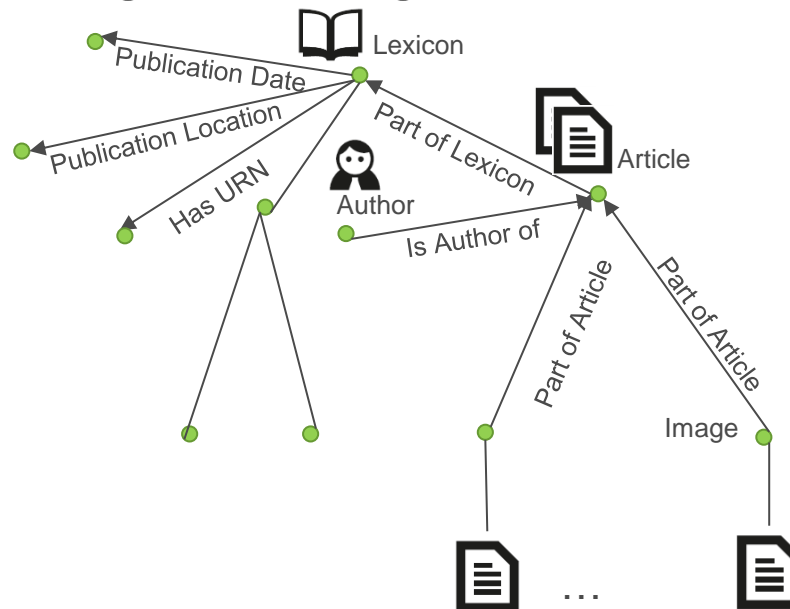


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Creating and Exploring the Semantic Graph



Import from Digital
Library:

- OAI
(METS/MODS)

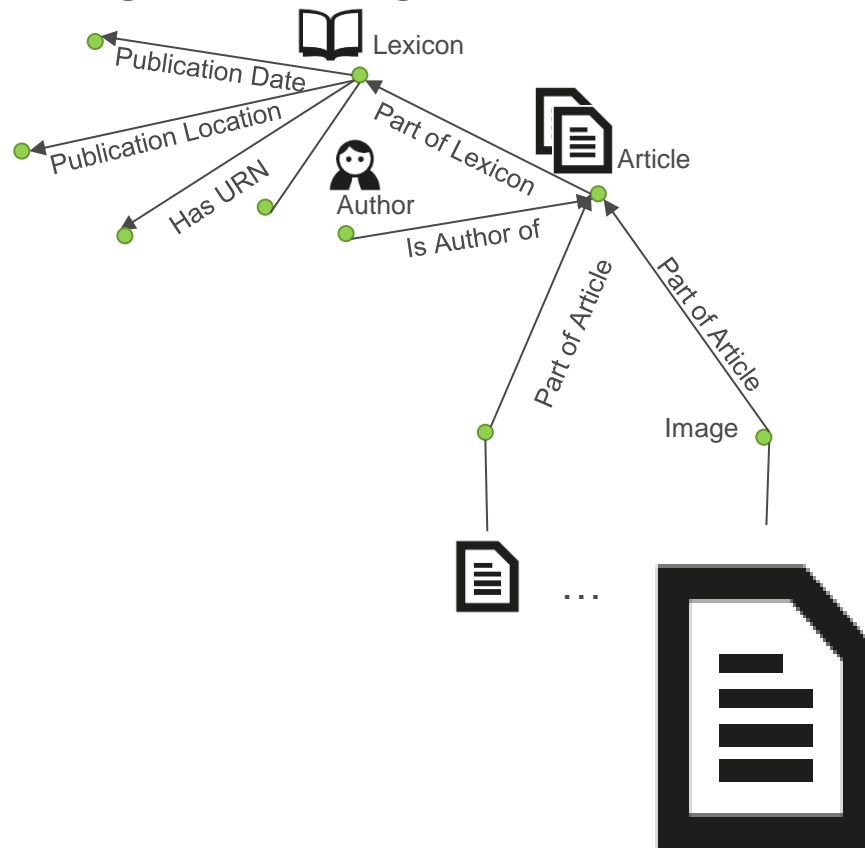


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Creating and Exploring the Semantic Graph



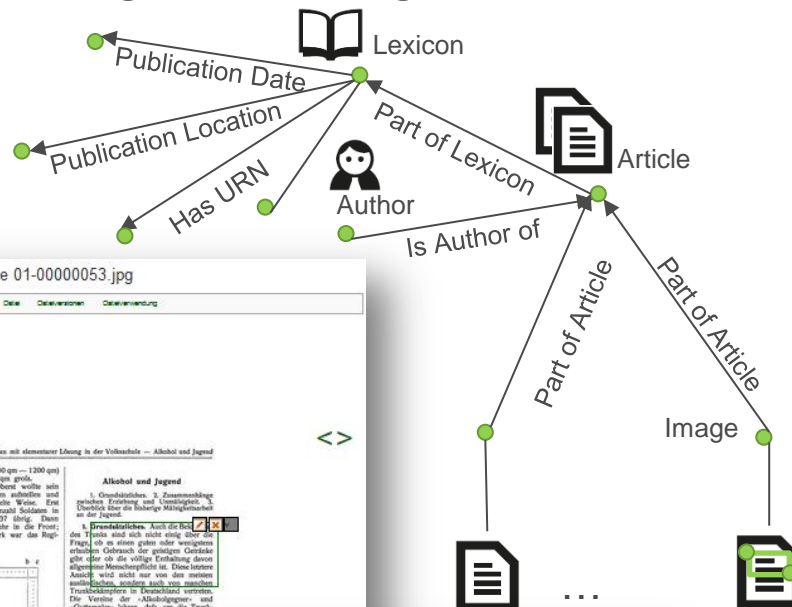


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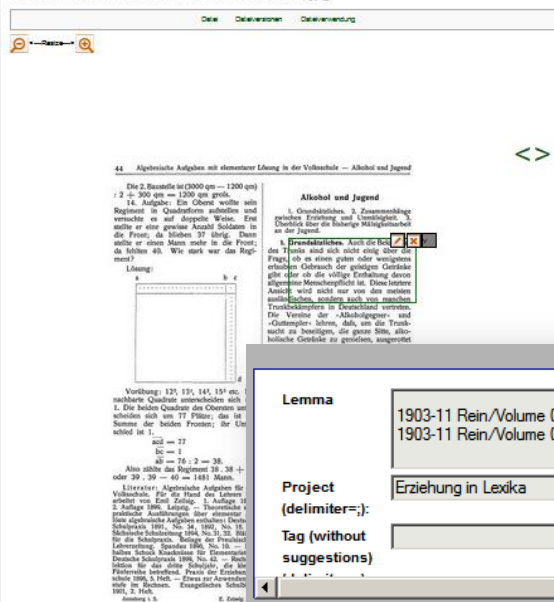
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Datei: 1903-11 Rein-Volume 01-00000053.jpg



Lemma: 1903-11 Rein-/Volume 01/Algebraische Aufgaben mit elementar 1903-11 Rein-/Volume 01/Alkohol und Jugend

Project: Erziehung in Lexika

(delimiters:):

Tag (without suggestions):

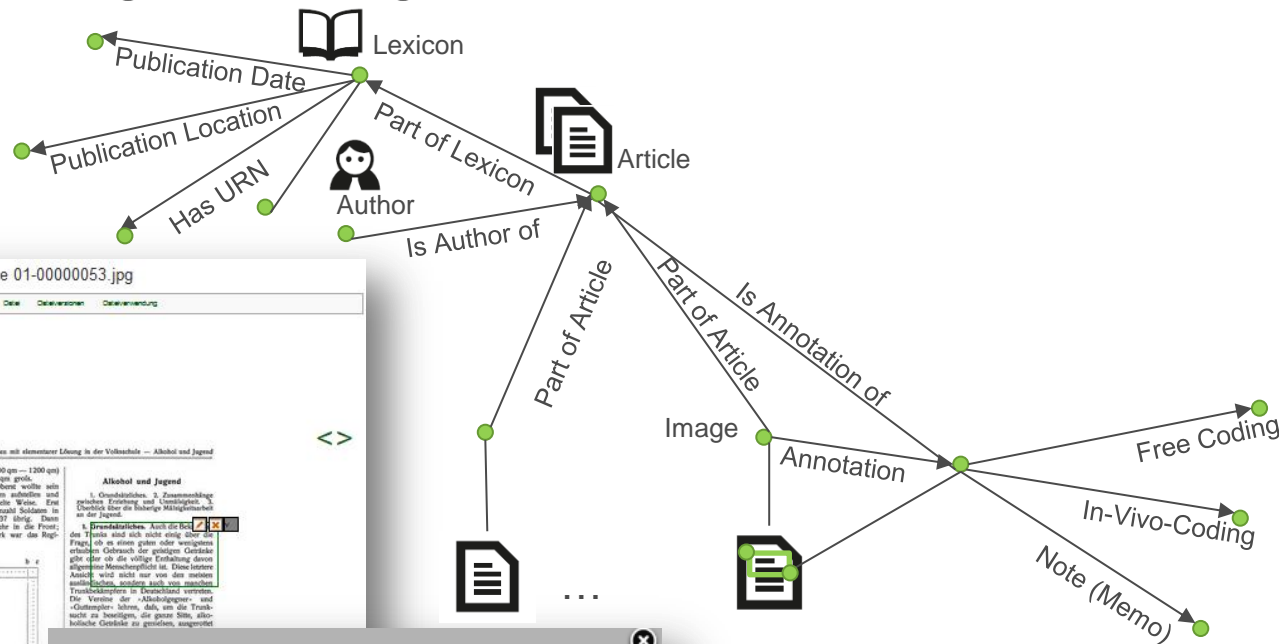


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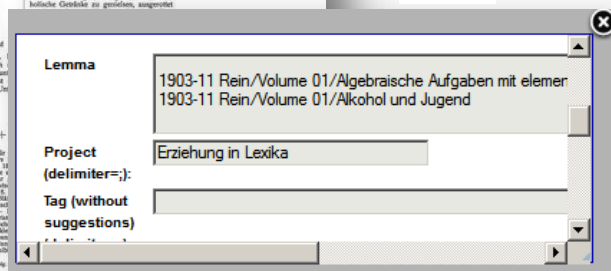
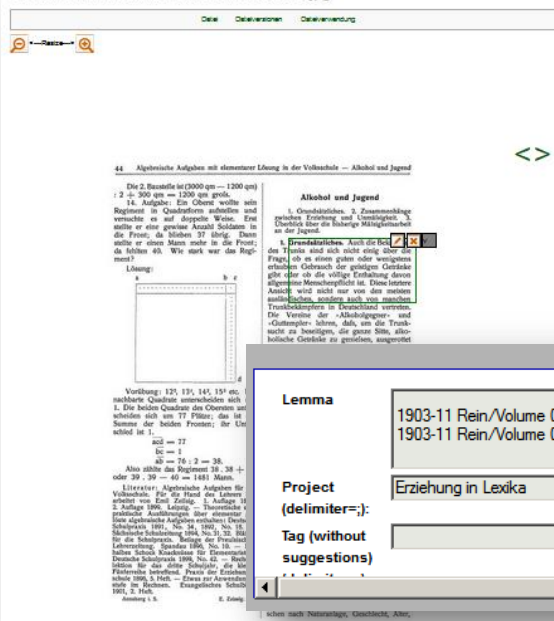
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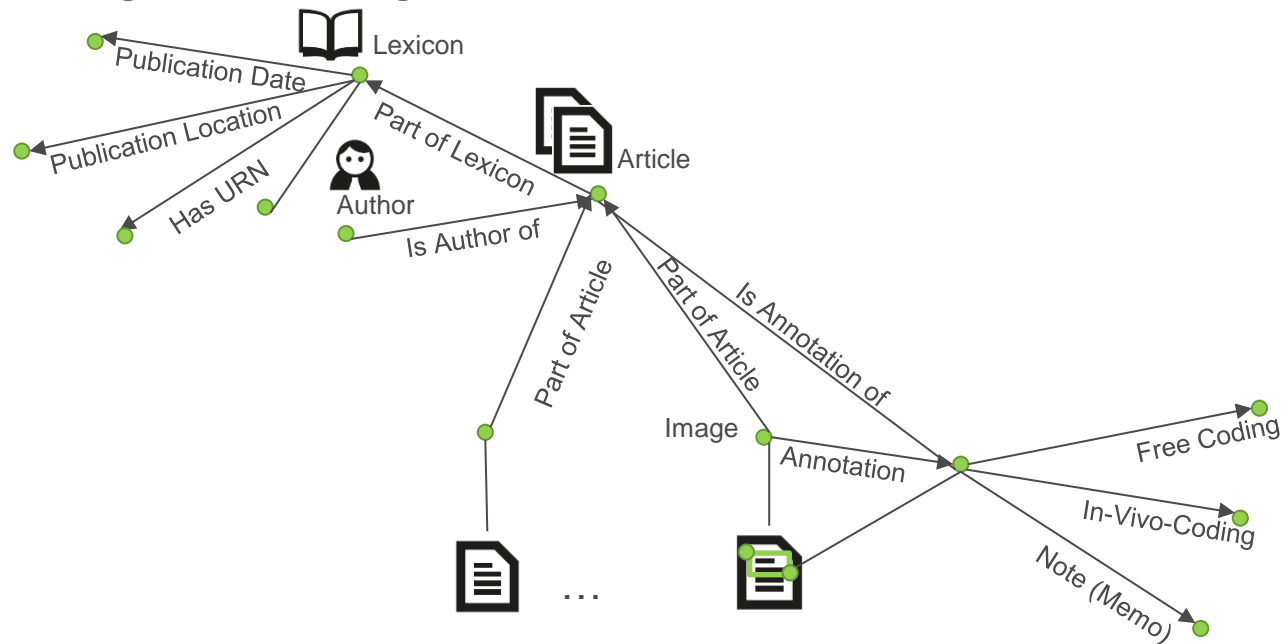


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SMW in eHumanities

Creating and Exploring the Semantic Graph

Public Lexicon

Seite Diskussion

Bearbeiten von „Aristoteles“

Du bearbeitest diese Seite unangemeldet. Wenn du sie abspeicherst, wird deine aktuelle IP-Adresse in der Versionsgeschichte gespeichert.

WIKI

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{{Person
|Geburtsdatum=387 BC/12
|Sterbedatum=322 v. Chr.
|Geburtsort=Stagira
|Geschlecht=männlich
|Nationalitäten=Griechen
|Schulenzugehörigkeit=
|Portrait=File:Aristoteles.jpg
|Portraitquelle=Wikimedia Commons
}}
[[category:person]]
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Bearbeite Cora Lemmata Form: 1859-78 Schmid/Volume 01/Aristoteles

form-BBB

Lemmata Body

VerfasserInnen des Lemma

Author: Schrader, ...

Weitere hinzufügen

Formale Kategorien des Lemma

Category Name Beschreibt Person

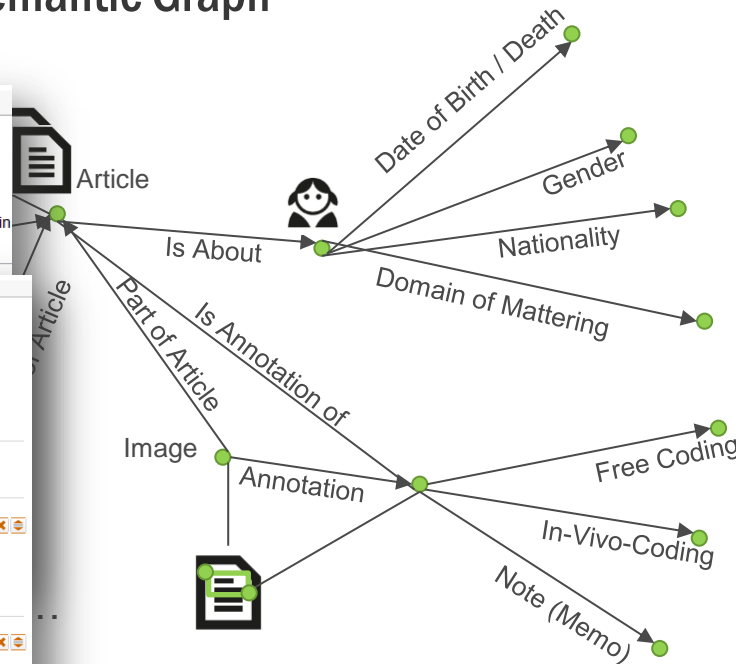
Category Name Hat Primärliteratur

Category Name Hat Sekundärliteratur

Weitere hinzufügen

Is About Person

Aristoteles:
(Separator: .)



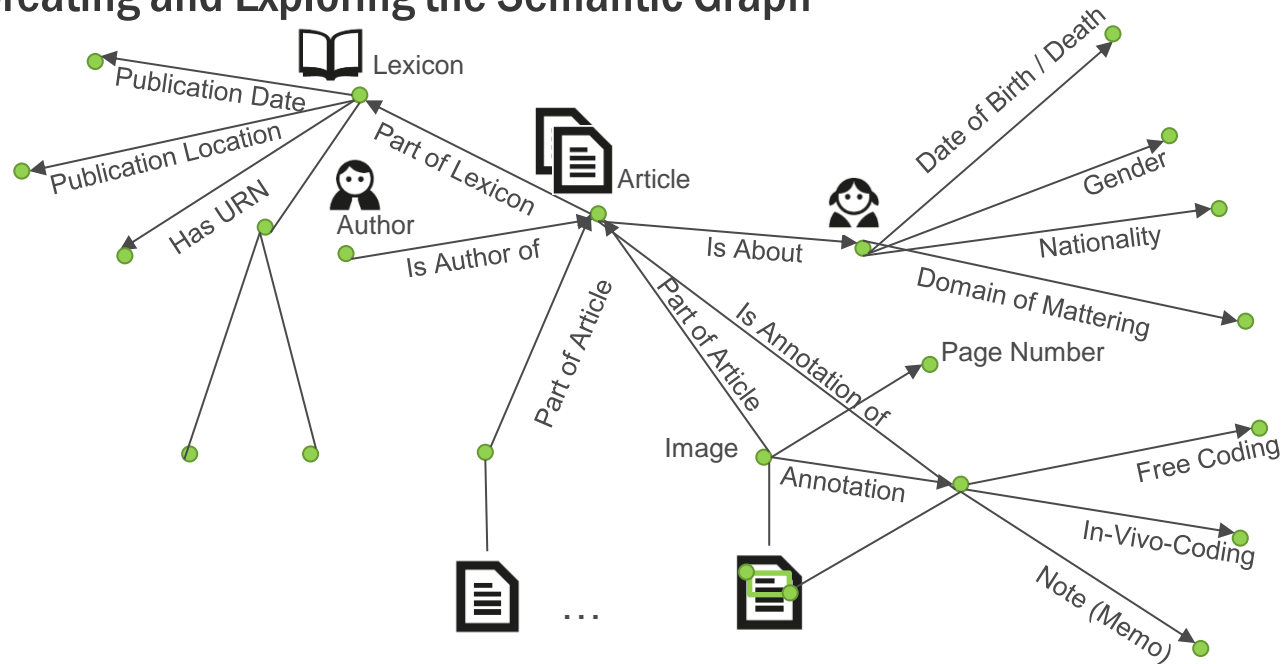


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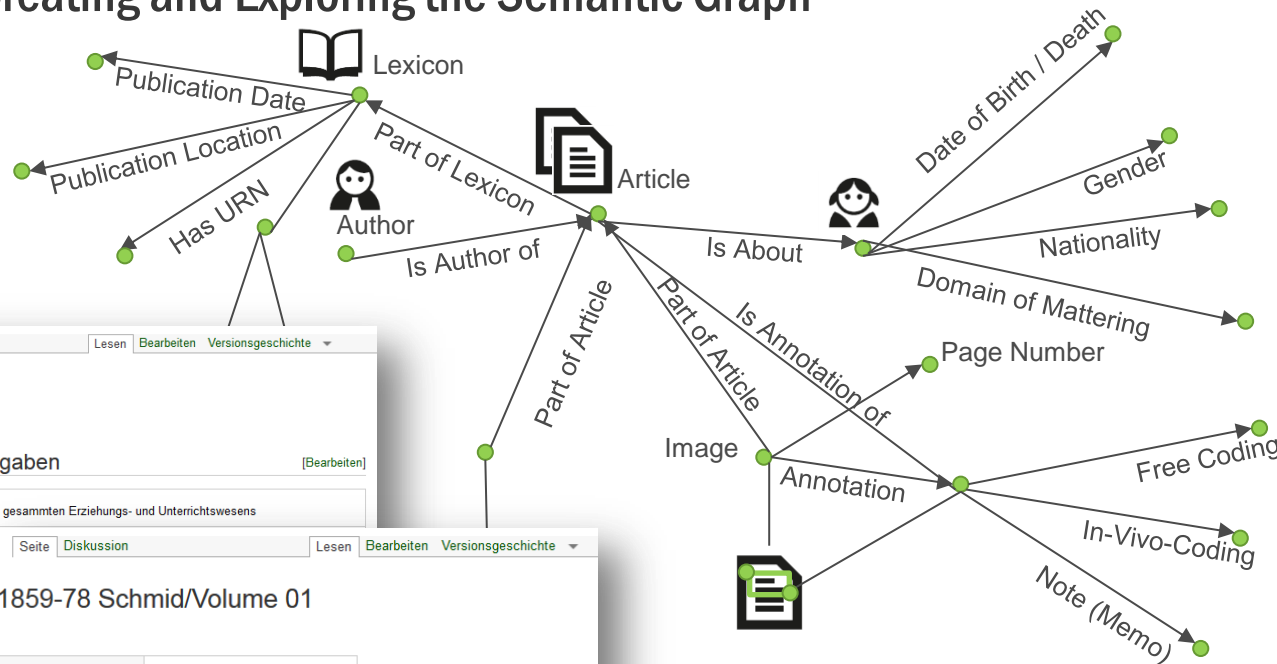


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Seite Diskussion Lesen Bearbeiten Versionsgeschichte

1859-78 Schmid

Bibliographische Angaben

Title: Encyklopädie des gesamten Erziehungs- und Unterrichtswesens

Place of Publication: Gotha

Editor: Schmid, Karl A

Language: ger

Publisher: Besser

Year of Publication: 1859

IDBBF: 101688679

URN: urn:nbn:de:0111

Has Volume: 1859-78 Schmid

03, 1859-78 Schmid

1859-78 Schmid

1859-78 Schmid

1859-78 Schmid/Volume 01

Title: A - Dinter

Place of Publication: Gotha

Editor: Schmid, Karl A

Language: ger

Publisher: Besser

Year of Publication: 1859

IDBBF: 10168875x

URN: urn:nbn:de:0111

Part of Lexicon: 1859-78 Schmid

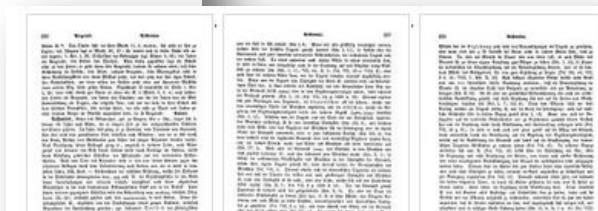
1859-78 Schmid/Volume 01/Aristoteles

Title: Aristoteles

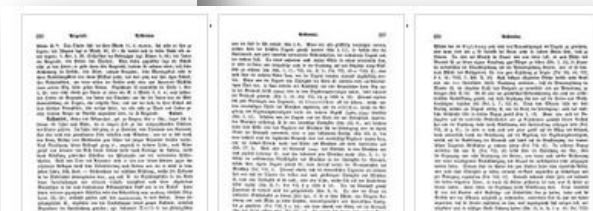
Author: Schrader, ...

Language: ger

Original Person: Schrader



Creating and Exploring the Semantic Graph



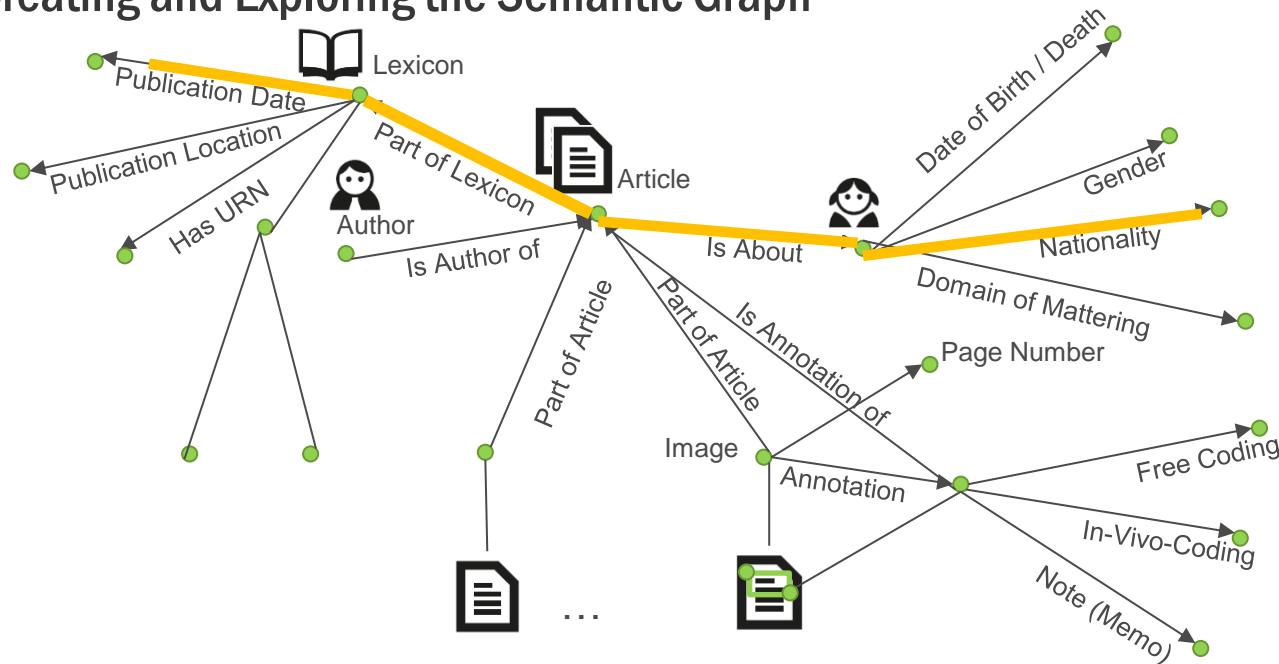


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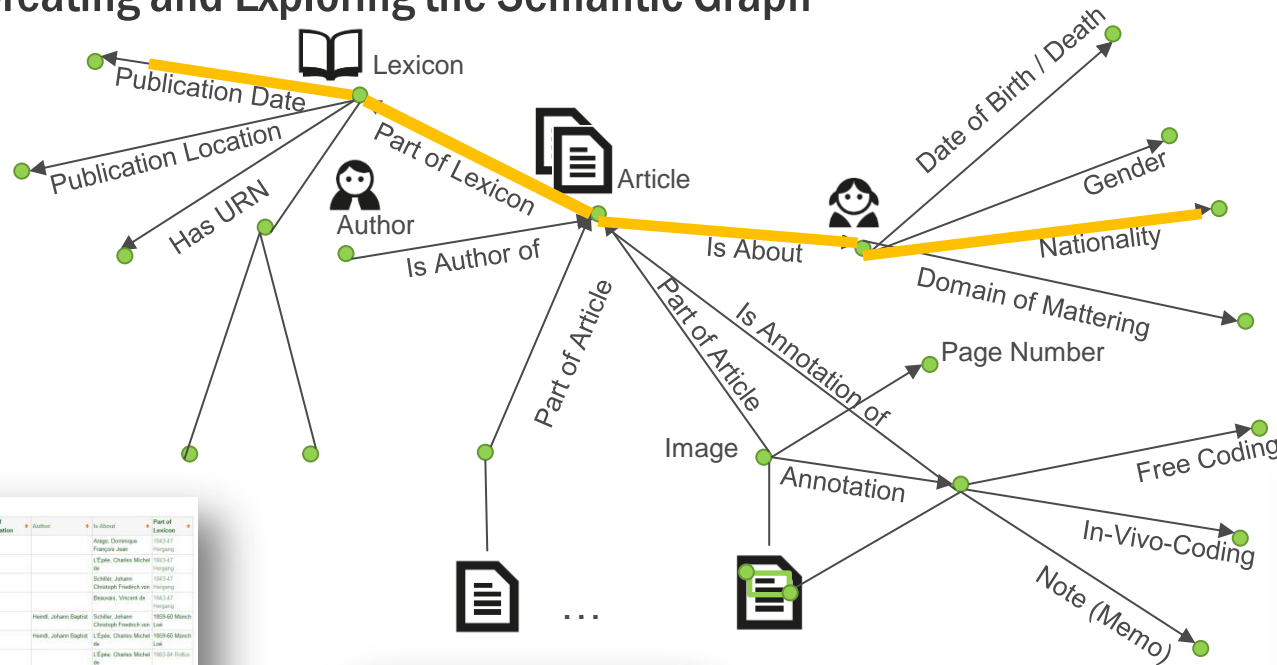


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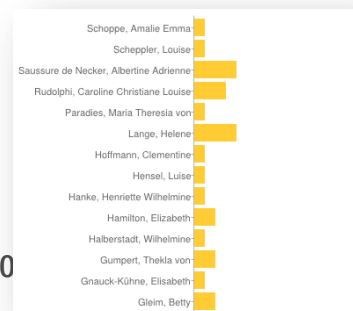
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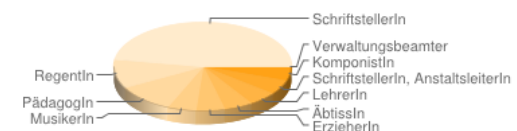
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1803-47 Hergers/Volme 01C/Anno: (Gemeinsamer Text)	Ango, Dominique	1803	Ango, Dominique	1803-47	
1803-47 Hergers/Volme 01D/Anno: (Gemeinsamer Text)	Ango, Dominique	1803	Ango, Dominique	1803-47	
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1803-47 Hergers/Volme 01Z/Anno: (Gemeinsamer Text)	Ango, Dominique	1803	Ango, Dominique	1803-47	



Häufigste Berufe

Die 10 häufigsten Berufe/Tätigkeiten, die Frauen ausführten, dargestellt im Tortendiagramm:





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eHumanities Workshop at SMWConFall 2016

Part 1: eHumanities Projects

- **Martin Gruner:** SMW Use of specialized Texts in German Literature Studies
- **Dennis Groenewegen:** The case of CODECS: SMW as a tool for exploring Texts, manuscripts and other materials for Celtic studies
- **Wahed Hemati, Tolga Uslu, Alexander Mehler:** Wikidition
- **Christoph Schindler, Basil Ell:** SMW as Research Environment. Examples of Educational Research

Part 2: BringYourOwnData!

- Collecting ideas and interests
- Clustering with tutors
- Small group discussions and consultancy (35 min)
- Recapitulation of groups (10 min)



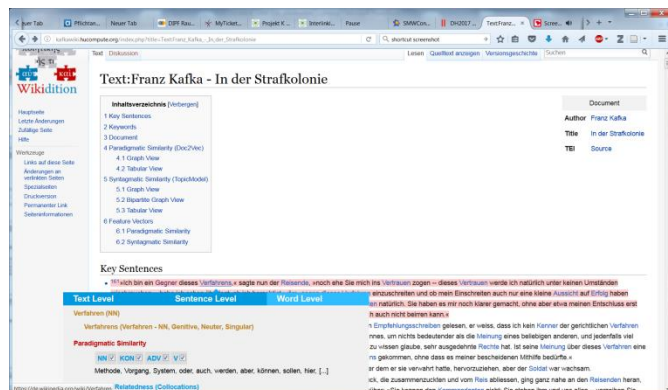
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eHumanities Workshop Projects



German Literature DB - Reference Collection



Wikidition



CODECS

VRE for Educational Lexica, School Magazines, Classroom-
fotos, Schoolbooks, Examinations, Classroominteraction



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Discussions and Needs

- Data Integration (OAI, METS/MODS,...)
- Import / Export (XML: TEI, CIDOC CRM...)
- Result formats: Text analysis (NLP; ...) and Visualization
- Ontology management and maintenance (rename properties, categories...)
- Text and image annotator (interlacing text annotations,...)
- Complex Ask Queries (multiple hops, distant properties)



Discussions and Needs

- Data Integration
- Import / Export
- Result formats:
- Ontology management
- Text and image
- Complex Ask Query

Current Status and Next Steps for Semantic MediaWiki

[SMWCon Fall 2016](#) ▶ [Current Status and Next Steps for Semantic MediaWiki](#)

This year again brought a lot of exciting new features and improvements to Semantic MediaWiki. This short presentation will give you an overview of the changes since last [SMWCon Europe](#). Things currently in the pipeline, plans and possibilities will also be covered.

Topics touched upon include:

- Status of the [SMW project](#)
- New features in [SMW 2.4](#) and [SMW 2.5](#)
- What you can expect in [SMW 3.0](#)
- Long term plans
- How you can [contribute](#)

Cats included.

SMWCon Fall 2016

Current Status and Next Steps for Semantic MediaWiki

Talk details

Description: This talk will provide an overview to what happened during the last year, the current status and the next steps for Semantic MediaWiki.

Speaker(s): [Karsten Hoffmeyer](#),
[Jeroen De Dauw](#)



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Thanks!